

WHAT IS CLAIMED IS:

1. A system for providing management protocol mediation between wireless networks comprising:

5 a first wireless network operable to communicate with a mobile station over a wireless interface;

a second wireless network having an operations and maintenance center (OMC) coupled thereto and operable to execute an application to manage the first wireless network using a first management protocol, the OMC further operable to manage the second wireless network using a second management protocol; and

10 a protocol mediator coupled to the first and second wireless networks, the protocol mediator operable to translate between the first management protocol and the second management protocol.

2 The system of Claim 1, wherein the first management protocol comprises a Common Management Information Protocol management protocol.

3 The system of Claim 1, wherein the second management protocol comprises a Simple Network Management Protocol management protocol.

20 4. The system of Claim 1, wherein the protocol mediator is coupled to the OMC by a first Telecommunications Network Management interface, and the protocol mediator is coupled to the first wireless network by a second Telecommunications Network Management interface.

25 5. The system of Claim 1, wherein the first wireless network comprises: a base station operable to communicate with the mobile station over the wireless interface; and

a wireless adjunct internet platform (WARP) coupled to the base station and operable to communicate with the mobile station through the base station.

30 6. The system of Claim 5, wherein the WARP is operable to manage the base station using a third management protocol, the WARP comprising a mediation function operable to translate between the second management protocol and the third management protocol.

7. The system of Claim 6, wherein the third management protocol comprises a Global System for Mobile communication (GSM) Abis object oriented management protocol.

5 8. The system of Claim 6, further comprising a public land mobile network (PLMN) gateway coupling the WARP and the OMC, the PLMN gateway operable to communicate with the WARP and the OMC.

10 9. The system of Claim 8, further comprising an Internet Protocol (IP) network coupling the WARP and the PLMN gateway.

10. A management center for providing management protocol mediation between wireless networks comprising:

15 an operations and maintenance center (OMC) operable to manage a first and second wireless networks, the OMC further operable to manage the first network by executing an application using a first management protocol and to manage the second network using a second management protocol; and

20 a protocol mediator coupled to the OMC and operable to translate between the first management protocol and the second management protocol.

25 11. The management center of Claim 10, wherein the first management protocol comprises a Common Management Information Protocol management protocol.

12. The management center of Claim 10, wherein the second management protocol comprises a Simple Network Management Protocol management protocol.

30 13. The management center of Claim 10, wherein the protocol mediator is coupled to the OMC by a Telecommunications Network Management interface.

14. The management center of Claim 10, further comprising a router coupled to the OMC and the protocol mediator, the router operable to transmit and receive management messages over an Internet Protocol (IP) network.

15. The management center of Claim 14, wherein the OMC communicates with the protocol mediator through the router.

5 16. A method of providing management protocol mediation between wireless networks comprising the steps of:

executing at a first wireless network an application in an operations and maintenance center using a first management protocol;

managing a second wireless network using a second management protocol;

10 and

translating between the first and second management protocols.

17. The method of Claim 16, wherein the first management protocol comprises a Common Management Information Protocol management protocol.

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18. The method of Claim 16, wherein the second management protocol comprises a Simple Network Management Protocol management protocol.

19. The method of Claim 16, wherein the step of translating between the management protocols comprises:

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mapping an instruction supported by a first protocol to an equivalent instruction supported by a second protocol;

mapping a parameter supported by the first protocol to an equivalent parameter supported by the second protocol; and

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composing a message supported by the second protocol using the equivalent instruction and the equivalent parameter.

20. The method of Claim 16, further comprising the steps of:

managing a base station in the second wireless network using a third management protocol; and

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translating between the second and third management protocols.